



HERADESIGN® Macro plus



HERADESIGN® Macro plus is a two layer, magnesite bonded, wood wool acoustic ceiling and wall panel.

- Provides trickle protection
- Good sound absorption performance

System	B2.1, B2.2		C2.1																																																					
Edge details																																																								
Thickness [mm]	50		65																																																					
Weight [kg/m²]	14.7		16.0																																																					
Dimensions [mm]	1200 x 600																																																							
Sound absorption	<table border="1"> <thead> <tr> <th>Thickness [mm]</th> <th>TCH [mm]</th> <th>HERADESIGN [mm]</th> <th>Acoustic lining [kg/m³]</th> <th colspan="6">Frequencies [Hz], α_p</th> <th colspan="2">Entire range</th> <th>Class</th> </tr> <tr> <td>25</td> <td>50</td> <td>25</td> <td>90</td> <td>125</td> <td>250</td> <td>500</td> <td>1000</td> <td>2000</td> <td>4000</td> <td>NRC</td> <td>α_w</td> <td></td> </tr> </thead> <tbody> <tr> <td>25</td> <td>200</td> <td>25</td> <td>90</td> <td>0.20</td> <td>0.80</td> <td>0.95</td> <td>0.60</td> <td>0.75</td> <td>0.75</td> <td>0.75</td> <td>0.70 (LM)</td> <td>C</td> </tr> <tr> <td>25</td> <td>200</td> <td>25</td> <td>90</td> <td>0.60</td> <td>0.80</td> <td>0.70</td> <td>0.65</td> <td>0.75</td> <td>0.75</td> <td>0.75</td> <td>0.70 (L)</td> <td>C</td> </tr> </tbody> </table>	Thickness [mm]	TCH [mm]	HERADESIGN [mm]	Acoustic lining [kg/m³]	Frequencies [Hz], α_p						Entire range		Class	25	50	25	90	125	250	500	1000	2000	4000	NRC	α_w		25	200	25	90	0.20	0.80	0.95	0.60	0.75	0.75	0.75	0.70 (LM)	C	25	200	25	90	0.60	0.80	0.70	0.65	0.75	0.75	0.75	0.70 (L)	C			
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Fire reaction	Euroclass B-s1, d0																																																							
Thermal resistance	25/25 0.90 m²K/W		25/40 1.30 m²K/W																																																					
Humidity resistance	Suitable for rooms with a constant humidity of up to 90%. For applications where there is a constant relative air humidity in excess of 80%, expert advice for building physics is recommended.																																																							
Cleanability																																																								
Sustainability																																																								
Area of application	A decorative and acoustically effective suspended ceiling and wall panel for use in interior spaces as well as roofed outdoor areas that are not directly exposed to environmental influences such as rain or pollutants.																																																							
Installation	The installation of HERADESIGN® acoustic panels should take place during the last phase of the job, and in temperature and humidity controlled conditions. All building activities which create dust must be completed before the start of installation. Store the panels flat and protect against moisture and dirt. The packaging does not protect the products against rain. HERADESIGN® products should be installed in strict accordance with Knauf Ceiling Solutions installation and storage guidelines.																																																							
Designation code	WW-EN 13168-L4W2-T2-S2-P2,TR5-CI3																																																							
Special information	<ul style="list-style-type: none"> Manufacturing tolerances in nominal dimensions: L4, W2, T2: ± 1 mm, for lengths > 1250mm L4: ± 2mm Maximum changes in dimension in standard climate 23°C/50% relative humidity: ± 1% 																																																							
Colours	<table border="1"> <thead> <tr> <th>White</th> <th>Beige</th> <th>Pastel colours</th> <th>Solid colours</th> <th>Metallic colours</th> <th>Special colours</th> </tr> </thead> <tbody> <tr> <td>similar to RAL 9010</td> <td>Natural tone 13</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> <td>●</td> </tr> </tbody> </table>	White	Beige	Pastel colours	Solid colours	Metallic colours	Special colours	similar to RAL 9010	Natural tone 13					●	●	●	●	●	●	<ul style="list-style-type: none"> The unique and natural structure of HERADESIGN® wood wool makes it an ideal solution for projects requiring creative colour schemes. Choose from an almost unlimited range of popular RAL and NCS colour systems. Deviations in colour and visual appearance may occur due to the rough fibre and panel surface. 																																				
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Products may vary from country to country. Please contact your local sales representative. For further information and legal notice, please visit our website.